

ment proved the constancy of the reaction, which is more brilliant in proportion as the action of the sulphuric acid is slow.

These particles of cellulose (true amylaceous corpuscles) only exist in the vicinity of the cerebral ventricles, especially in the deep layers of the ependyma in the nerves of sensation and in the spinal cord. They are very frequent in the latter in the central gray substance described by M. Kölliker, which, according to my observations, extends from the ependyma of the fourth ventricle to the terminal filament of the spinal cord, and corresponds to the ependyma of the obliterated central canal of this portion of the nervous axis. On this account it might be called the *central cord of spinal ependyma*.

All the other concentric corpuscles have a different composition. Neither the concretions of the pineal gland and choroid plexus, nor the granules of the excrescences of Pacchioni, nor the plates extracted from the spinal arachnoid, exhibit any vegetable reaction. The corpuscles of cellulose are quite peculiar to the ependyma, which is neither a prolongation of the arachnoid, nor of the *pia mater*, but rather the superficial free layer of the connective tissue of the nervous elements. It is on this account that these granules are also found in the gray substance of the olfactory nerve.—*Comptes Rendus*, Sept. 26, 1853, p. 492.

#### METEOROLOGICAL OBSERVATIONS FOR OCT. 1853.

*Chiswick*.—October 1. Heavy clouds: clear. 2, 3. Clear and fine: frosty at nights. 4. Rain. 5. Constant rain. 6. Dense fog. 7. Hazy and damp: fine: rain. 8. Rain: fine: clear. 9. Foggy: fine. 10. Very fine. 11. Fine. 12. Rain. 13. Hazy: rain. 14. Foggy: very fine. 15. Fine: cloudy: rain at night. 16, 17. Rain. 18. Clear and fine. 19. Heavy rain. 20. Fine. 21. Rain. 22. Rain: fine. 23. Densely overcast: cloudy and fine. 24, 25. Fine. 26. Very fine: rain at night. 27. Cloudy: overcast: lightning in the evening: rain. 28. Cloudy and fine: rain. 29. Cloudy and fine: clear. 30. Foggy: clear. 31. Very fine.

Mean temperature of the month .....	49°·99
Mean temperature of October 1852 .....	46·22
Mean temperature of Oct. for the last twenty-seven years .	50·06
Average amount of rain in Oct. ....	2·64 inches.

*Boston*.—Oct. 1. Cloudy: rain A.M. 2. Fine: rain P.M. 3. Fine. 4. Rain A.M. 5. Cloudy: rain A.M. and P.M. 6. Rain A.M. 7. Cloudy. 8. Cloudy: rain A.M. and P.M. 9. Cloudy. 10. Fine: rain P.M. 11. Cloudy: rain A.M. and P.M. 12. Cloudy: rain A.M. 13, 14. Cloudy: rain P.M. 15. Cloudy. 16. Rain A.M. and P.M. 17. Cloudy: rain A.M. and P.M. 18. Cloudy. 19. Cloudy: rain A.M. and P.M. 20. Cloudy. 21. Cloudy: rain A.M. 22. Fine. 23, 24. Cloudy. 25. Foggy. 26. Cloudy: rain P.M. 27. Cloudy. 28. Cloudy: rain A.M. 29. Cloudy. 30, 31. Fine.

*Sandwich Manse, Orkney*.—Oct. 1. Showers A.M. and P.M. 2, 3. Sleet-showers A.M. and P.M. 4. Rain A.M.: showers P.M. 5. Showers A.M.: drizzle P.M. 6. Bright A.M.: cloudy P.M. 7. Drizzle A.M.: rain P.M. 8, 9. Damp A.M. and P.M. 10. Cloudy A.M. and P.M. 11. Showers A.M.: cloudy P.M. 12. Cloudy A.M.: damp P.M. 13. Cloudy A.M. and P.M. 14. Cloudy A.M.: showers P.M. 15. Bright A.M.: showers P.M. 16, 17. Showers A.M. and P.M. 18. Showers A.M.: bright P.M. 19. Cloudy A.M.: rain P.M. 20. Clear A.M.: showers, aurora P.M. 21. Rain A.M. and P.M. 22. Clear A.M.: showers P.M. 23. Clear A.M.: showers, aurora P.M. 24. Cloudy A.M.: drizzle P.M. 25, 26. Cloudy A.M.: rain P.M. 27. Bright A.M.: clear, aurora P.M. 28. Cloudy A.M. and P.M. 29. Bright A.M.: cloudy P.M. 30. Clear, fine A.M.: cloudy P.M. 31. Rain A.M.: showers P.M.

Mean temperature of Oct. for twenty-six previous years .....	47°·64
Mean temperature of this month .....	48·66
Mean temperature of Oct. 1852 .....	46·88
Average quantity of rain in Oct. for thirteen previous years .	4·99 inches.